

B31F**MECHANICAL WORKING OR DEFORMATION OF PAPER OR CARDBOARD
(making layered products not composed wholly of paper or cardboard [B32B](#))****References****References out of a residual place***Examples of places in relation to which this place is residual:*

Making boxes, cartons, envelopes or bags	B31B
Making wound paper articles	B31C
Making other paper articles	B31D

Informative references*Attention is drawn to the following places, which may be of interest for search:*

Cutting, trimming, in general	B26
Incising, scoring, in general	B26D 3/08
Multi-ply material of paper or cardboard, manufacture thereof	D21H

B31F 1/00**Mechanical deformation of paper or cardboard without removing material, e.g.
in combination with laminating****References****Application-oriented references***Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:*

Producing decorative effects by processes for stamping ornamental designs on surfaces	B44C 1/24
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Informative references*Attention is drawn to the following places, which may be of interest for search:*

Folding thin material	B65H 45/00
Mechanical deformation during paper or cardboard making	D21F , D21G

B31F 1/008

{Shaping of tube ends, e.g. flanging, belling, closing, rim-rolling, corrugating;
Fixing elements to tube ends}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Making cylindrical boxes with separate bottoms	B31B 2217/064
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B31F 1/0096

{Lining or sheathing (folding the edge of the sheathing [B31F 1/0016](#),
[B31F 1/0029](#))}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Making lined boxes	B31B 2217/0038
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B31F 1/07

Embossing {, i.e. producing impressions formed by locally deep-drawing, e.g. using rolls provided with complementary profiles} ({[B31F 1/128](#) takes precedence;}) corrugating [B31F 1/20](#); embossing in combination with printing [B41F 19/02](#), [B41M 1/24](#); typewriters for embossing [B41J 3/38](#); stamping in combination with deforming [B41K 3/36](#))

References**Application-oriented references**

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Machines or apparatus for embossing decorations or marks	B44B 5/00
Artists hand tools for embossing	B44B 11/04

Special rules of classification

Classification in deep indexing scheme [B31F 2201/07](#) is mandatory.

B31F 1/08

Creasing (corrugating [B31F 1/20](#); zig-zag folding [B65H 45/20](#) {; combined with folding [B31F 1/0012](#), [B31F 1/0022](#); grooving by cutting [B26D 3/06](#), [B26D 3/08](#); by milling grooves [B23C 3/30](#); of plastics material [B29C 53/06](#)})

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Making creases during box or bag making	B31B 2201/25 , B31B 2219/25
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B31F 1/12

Crêping paper or cardboard {, i.e. providing paper or cardboard with small irregular crinkles; Making paper or cardboard elastic in all directions}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Paper making	D21F 11/00
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B31F 1/20

Corrugating; Corrugating combined with laminating to other paper or cardboard layers

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Corrugating sheet metal	B21D 13/00
Corrugating veneer	B27D
Corrugating plastics material	B29C 53/22
Zig-Zag folders	B65H 45/20 , B65H 45/228

B31F 1/2813

{Making corrugated cardboard of composite structure, e.g. comprising two or more corrugated layers}

References**Informative references**

Attention is drawn to the following places, which may be of interest for search:

Making cellular structures by cutting corrugated webs longitudinally into strips, piling these strips and uniting them	B31D 3/007
Laminated products characterised by a layer comprising a deformed thin sheet, e.g. corrugated, crumpled	B32B 3/28

B31F 1/36

Moistening and heating webs to facilitate mechanical deformation and drying deformed webs {(during corrugating [B31F 1/28](#))}

Definition statement

This place covers:

E.g. impregnating.

References**Limiting references**

This place does not cover:

Moistening, drying during making of corrugated web having transverse corrugations	B31F 1/2845
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B31F 5/00

Attaching together paper or cardboard sheets, strips or webs {or other preformed paper articles (joining by rim-rolling [B31F 1/0041](#), [B31F 1/009](#); closing tube ends by inserting an element [B31F 1/008](#), making boxes [B31B](#))}; Reinforcing edges of paper or cardboard

References**Application-oriented references**

Examples of places where the subject matter of this place is covered when specially adapted, used for a particular purpose, or incorporated in a larger system:

Stapling in making boxes, bags or the like	B31B , e.g. B31B 1/68 , B31B 19/68
Attaching the replacement web to the expiring web during web-roll changing	B65H 19/18
Apparatus for splicing webs during handling	B65H 21/00

Informative references

Attention is drawn to the following places, which may be of interest for search:

Means for applying adhesive or glue	B05C
Making layered products	B32B 37/00
Splicing webs	B65H 21/00

B31F 7/00

Processes for working paper or cardboard not otherwise provided for

Definition statement

This place covers:

Processes for working paper not provided for in [B31B 1/00](#), [B31C 1/00](#) - [B31C 13/00](#), [B31D 1/00](#) - [B31D 5/00](#), [B31F 1/00](#) - [B31F 5/00](#).